

de Chambrier A. & Scholz T. - An emendation of the generic diagnosis of the monotypic <i>Glanitaenia</i> (Cestoda: Proteocephalidae), with notes on the geographical distribution of <i>G. osculata</i> , a parasite of invasive wels catfish	1-9
Bassi G. - Studies on Afrotropical Crambinae (Lepidoptera, Pyraloidea, Crambidae): Notes on the genus <i>Aurotalis</i> Bleszyński, 1970	11-20
Hollier J. - The type specimens of Orthoptera (Insecta) species described by Ignacio Bolívar and deposited in the Muséum d'histoire naturelle de Genève	21-33
Pham V.A., Le T.D., Pham T.C., Nguyen L.H.S., Ziegler T. & Nguyen Q.T. - Two additional records of megophryid frogs, <i>Leptobrachium masatakasotoi</i> Matsui, 2013 and <i>Leptolalax minimus</i> (Taylor, 1962), for the herpetofauna of Vietnam	35-43
Eguchi K., Bui T.V., Oguri E. & Yamane S. - The first discovery of the “ <i>Pheidole quadricuspis</i> group” in the Indo-Chinese Peninsula (Insecta: Hymenoptera: Formicidae: Myrmicinae)	45-55
Breure A.S.H. - Annotated type catalogue of the Orthalicoidea (Mollusca, Gastropoda, Stylommatophora) in the Muséum d'histoire naturelle, Geneva	57-103
Lienhard C. & García Aldrete A.N. - An extraordinary new species of <i>Psyllipsocus</i> (Psocodea: 'Psocoptera': Psyllipsocidae) from the Biosphere Reserve Sierra de Huautla, Morelos, Mexico ...	105-112
Breure A.S.H. & Tardy E. - From the shadows of the past: Moricand senior and junior, two 19th century naturalists from Geneva, with their newly described taxa and molluscan types	113-138
Anisyutkin L.N. - New and little known Epilamprinae (Dictyoptera: Blaberidae) from the collections of the Muséum d'histoire naturelle de Genève and the Zoological Institute RAS, Saint Petersburg. Part 2	139-152
Yin Z.-W. & Cuccodoro G. - <i>Colilodion schulzi</i> sp. n. (Coleoptera: Staphylinidae: Pselaphinae) from Palawan, the Philippines, with habitus photographs and a revised key to all <i>Colilodion</i> species	153-158
Löbl I. & Ogawa R. - Contribution to the knowledge of Himalayan and North Indian species of <i>Scaphidium</i> (Coleoptera, Staphylinidae)	159-163
Schuchert P., Sanamyan N. & Sanamyan K. - Observations on two large athecate hydroids (Cnidaria: Hydrozoa) from the Kamchatka Peninsula (NW Pacific)	165-178
Benjamin S.P. - Revision of <i>Cebrennius</i> Simon, 1887 with description of one new genus and six new species (Araneae: Thomisidae)	179-200
Białooki P. & Germann C. - <i>Otiorhynchus (Choilisanus) theophrastus</i> sp. nov. from Lesbos Island, Greece (Coleoptera, Curculionidae, Entiminae)	201-207

Résumés

**An emendation of the generic diagnosis of the monotypic *Glanitaenia*
(Cestoda: Proteocephalidae), with notes on the geographical distribution of *G. osculata*,
a parasite of invasive wels catfish**

Alain de Chambrier¹ & Tomáš Scholz^{2,*}

¹ Département des Invertébrés, Muséum d'histoire naturelle, CP 6434, CH-1211 Genève 6, Switzerland.
E-mail: alain.dechambrier@ville-ge.ch

² Institute of Parasitology, Biology Centre of the Czech Academy of Sciences, Branišovská 31, 370 05 České Budějovice,
Czech Republic. E-mail: tscholz@paru.cas.cz

* Corresponding author. E-mail: tscholz@paru.cas.cz

Abstract: The generic diagnosis of the monotypic *Glanitaenia* is amended based on a detailed morphological examination of newly collected specimens of *G. osculata* (Goeze, 1782) (syn. *Proteocephalus osculatus*) found in wels catfish, *Silurus glanis* Linnaeus, 1758, from Neuchâtel, Switzerland. Several morphological characteristics of *G. osculata* are described for the first time or better specified, such as uterine development (type 2 according to the classification by de Chambrier *et al.*, 2004, 2015), the presence and peculiar position of a vaginal sphincter (previously not reported), its egg morphology, description of scolex microtriches and a dense network of osmoregulatory canals in the posterior part of the scolex and the anterior region of the neck (proliferative zone). The anterior position of the vagina, which opens anterior to the cirrus-sac, not ventral as typical for most of the closely related species of the *Proteocephalus* aggregate, may represent apomorphy of this taxon. *Glanitaenia osculata* is reported from Italy (River Po basin), Romania (River Danube delta) and Switzerland (Aare/Rhine River basin) for the first time. This expansion of the parasite distribution area may be related to a recent introduction of wels catfish to West Europe.

Keywords: Cestoda, *Glanitaenia osculata*, morphology, redescription, freshwater fish, geographical distribution, Europe.

**Studies on Afrotropical Crambinae (Lepidoptera, Pyraloidea, Crambidae):
Notes on the genus *Aurotalis* Bleszyński, 1970**

Graziano Bassi

Via Sant'Agostino 51, I-10051 Avigliana (To). E-mail: graziano.bassi@alice.it

Abstract. The Afrotropical genus *Aurotalis* Bleszyński, 1970 is briefly reviewed and two new species are described and illustrated: *A. cristata* **sp. n.** and *A. dicksoni* **sp. n.** *Charltona argyrastis* Hampson, 1919 is transferred to *Aurotalis* Bleszyński, 1970. A list of the known species and a diagnosis of each species are given. Illustrations of new diagnostic morphological characters are presented.

Keywords: Africa - *Ancylolomia* - *Charltona* - distribution - new combination - new species - *Prionotalis*.

The type specimens of Orthoptera (Insecta) species described by Ignacio Bolívar and deposited in the Muséum d'histoire naturelle de Genève

John Hollier

Muséum d'histoire naturelle, C.P. 6434, CH-1211 Genève 6, Switzerland. E-mail: john.hollier@ville-ge.ch

Abstract: Definite or probable type specimens of 60 species of Orthoptera described by Ignacio Bolívar have been identified in the collections of the Muséum d'histoire naturelle de Genève. The species are listed alphabetically by suborder and family, and the valid combination is given. Information about the label data and condition of primary type specimens is provided.

Keywords: Acrididae - Pamphigidae - Pyrgomorphidae - Tetrigidae - Gryllidae - Tettigoniidae.

Two additional records of megophryid frogs, *Leptobrachium masatakasatoi* Matsui, 2013 and *Leptolalax minimus* (Taylor, 1962), for the herpetofauna of Vietnam

Anh Van Pham^{1,2}, Dzung Trung Le², Cuong The Pham³, Son Lan Hung Nguyen²,
Thomas Ziegler⁴ & Truong Quang Nguyen^{3,*}

¹ Faculty of Biology and Chemistry, Tay Bac University, Son La City, Son La Province, Vietnam.

² Faculty of Biology, Hanoi National University of Education, 136 Xuan Thuy Road, Hanoi, Vietnam.

³ Institute of Ecology and Biological Resources, Vietnam Academy of Science and Technology, 18 Hoang Quoc Viet Road, Hanoi, Vietnam.

⁴ AG Zoologischer Garten Köln, Riehler Straße 173, D-50735 Köln, Germany.

* Corresponding author: Truong Quang Nguyen, e-mail: nqt2@yahoo.com

Abstract: We record two megophryid species for the first time from Vietnam: *Leptobrachium masatakasatoi* and *Leptolalax minimus*. Acoustic analysis of *L. masatakasatoi* is also reported based on advertisement calls of the male specimen from Son La Province. In addition, data of morphology and natural history of afore mentioned species are provided.

Keywords: Megophryidae - Acoustics - Distribution - New records - Taxonomy - Dien Bien Province - Hoa Binh Province - Son La Province.

The first discovery of the “*Pheidole quadricuspis* group” in the Indo-Chinese Peninsula (Insecta: Hymenoptera: Formicidae: Myrmicinae)

Katsuyuki Eguchi^{1*}, Bui Tuan Viet², Emiko Oguri³ & Seiki Yamane⁴

¹ Systematic Zoology Laboratory, Department of Biological Sciences, Graduate School of Science and Engineering, Tokyo Metropolitan University, 1-1 Minami-Osawa, Hachioji-shi, Tokyo, 192-0397, Japan.

² Vietnam National Museum of Nature, 18 Hoang Quoc Viet, Cau Giay, Hanoi, Vietnam. E-mail: btviet@gmail.com

³ Department of Biological Science, Graduate School of Science, Hiroshima University, Hiroshima 739-8526, Japan, E-mail: eoguri@hiroshima-u.ac.jp

⁴ Faculty of Science, Kagoshima University, Kagoshima 890-0065, Japan. E-mail: mayiopa0@gmail.com

* Corresponding author: E-mail: antist2007@gmail.com / antist@tmu.ac.jp

Abstract

Pheidole leloi is described as a new species based on a colony series collected in an evergreen forest on the Da Lat Plateau's eastern edge (Hon Ba Nature Reserve, Khanh Hoa Province, Vietnam). It is the first discovery of the *Pheidole*

quadricuspis group in the Indo-Chinese Peninsula. The p-distance between COI sequences of *P. leloi* and its putative named allies of the species group is 13.4-15.8%. This may indicate that *P. leloi* has been genetically isolated for several million years. An ancestor of *P. leloi* probably expanded its distribution into the Indo-Chinese peninsula during the Miocene expansions of rainforests, and survived into rainforest patches (refugia) during the Quaternary glacial age.

Key words: *Pheidole leloi* - new species - Vietnam - DNA barcoding - biogeography.

Annotated type catalogue of the Orthalicoidea (Mollusca, Gastropoda, Stylommatophora) in the Muséum d'histoire naturelle, Geneva

Abraham S.H. Breure^{1,2}

¹ *Naturalis Biodiversity Center, P.O. Box 9517, 2300RA Leiden, the Netherlands.*

² *Royal Belgian Institute of Natural Sciences, Vautierstraat 29, 1000 Brussels, Belgium. E-mail: ashbreure@gmail.com*

Abstract

The type status is described for 101 taxa classified within the superfamily Orthalicoidea and present in the Mollusca collection of the Muséum d'histoire naturelle in Geneva. A lectotype is designated for *Helix (Cochlogena) citrinovitrea* S. Moricand, 1836. *Bulimus fidaensis* J. Moricand, 1858 is now considered a junior subjective synonym of *Bulimus clouei* Pfeiffer, 1857. New combinations are: *Kuschelenia (Bocourtia) angrandi* (Morelet, 1860), *Leiostracus fidaensis* (J. Moricand, 1858), *Protoglyptus heterogrammus* (S. Moricand, 1836), *Protoglyptus longisetus* (S. Moricand, 1846), *Drymaeus (Mesembrinus) polygrammus* (S. Moricand, 1836), *Kara viriata* (Morelet, 1863).

Keywords: Amphibulimidae - Bulimulidae - Bothriembryontidae - Odontostomidae - Orthalicoidea - Simpulopsidae - type material - biohistory.

An extraordinary new species of *Psyllipsocus* (Psocodea: 'Psocoptera': Psyllipsocidae) from the Biosphere Reserve Sierra de Huautla, Morelos, Mexico

Charles Lienhard^{1*} & Alfonso N. García Aldrete²

¹ *Muséum d'histoire naturelle, c. p. 6434, CH-1211 Genève 6, Switzerland.*

² *Departamento de Zoología, Instituto de Biología, Universidad Nacional Autónoma de México, Apartado Postal 70-153, 04510 México, D. F. México. E-mail: anga@ib.unam.mx*

* *Corresponding author. E-mail: charleslienhard@bluewin.ch*

Abstract: The insect species *Psyllipsocus stupendus* spec. nov., living on rock outcrops, is described and illustrated from central Mexico (Morelos state). Although the general morphology is typical for a *Psyllipsocus* species, both male and female are characterized by very peculiar genitalia. In the male, the phallosome has a pair of long pointed claspers and, surprisingly, the basal struts are not anteriorly but posteriorly directed. In the female, the first and second ovipositor valvulae, usually much reduced in this genus, are well developed and strongly sclerotized, forming a tube-like structure together with the sclerotized wall of the proximal part of the vagina. The dorsal wall of the female genital chamber is transversally double-folded, resulting in a ventral main compartment and an eversible dorsal compartment. The opening of the spermathecal duct (spermapore) opens proximally into the dorsal compartment. A similar structure of the female genital chamber has never been observed in Psocoptera before. Some functional hypotheses are discussed and it is postulated that a special form of selective pressure, probably due to sexual selection, might have favoured the evolution of these unique genital structures.

Keywords: Insecta - female genital chamber - sclerotized vagina - phallic claspers.

From the shadows of the past: Moricand senior and junior, two 19th century naturalists from Geneva, with their newly described taxa and molluscan types

Abraham S.H. Breure^{1,2,*} & Emmanuel Tardy³

¹ Royal Belgian Institute of Natural Sciences, Vautierstraat 29, 1000 Brussels, Belgium.

² Naturalis Biodiversity Center, P.O. Box 9517, 2300 RA Leiden, the Netherlands.

³ Department of Invertebrates, Muséum d'histoire naturelle, CP 6434, CH-1211 Genève, Switzerland.

* Corresponding author. E-mail: ashbreure@gmail.com

Abstract: Stéfano Moricand (1779-1854) and his son Jacques (1823-1877) were amateur scientists active in Geneva. Moricand senior was interested in botany, mineralogy, entomology, and malacology. Between 1820-1847 he published 11 papers on botany, in which he described 110 taxa (including three genera). From 1834-1851 six papers appeared from his hand in which he introduced 72 malacological taxa. Moricand junior published only four malacological papers within a relatively short time (1853-1860), with 16 new species. Biographies and a bibliography, together with a list of their newly introduced taxa, are given for both. The history of their malacological collection and their contacts with other contemporary malacologists are presented, including brief data on J. S. Blanchet (1807-1875) and A. Brot (1821-1896) who were closely linked to this collection, which covered both terrestrial and freshwater molluscs. The type material present in the Muséum d'histoire naturelle in Geneva, of the molluscan, non-Orthalicoid taxa of S. and J. Moricand is figured, complementary to Breure, 2016 (Mollusca, Orthalicoidea).

Keywords: biography - bibliography - Bivalvia - Gastropoda - Mollusca - Plantae.

New and little known Epilamprinae (Dictyoptera: Blaberidae) from the collections of the Muséum d'histoire naturelle de Genève and the Zoological Institute RAS, Saint Petersburg.

Part 2

Leonid N. Anisyutkin

Zoological Institute of the Russian Academy of Sciences, Universitetskaya Emb. 1, 199034 Saint Petersburg, Russia.

E-mail: Leonid.Anisyutkin@zin.ru, leonid.dictyoptera@gmail.com

Abstract: A new species of cockroach, *Gurneya rothi* sp. nov., is described from Brazil. *Rhabdoblatta erubescens* (Gerstaecker, 1883) and *Rh. punctipennis* (Saussure, 1895) are transferred to the genus *Africalolampra* Roth, 1995. A lectotype of *Audreia carinulata* (Saussure, 1895) is designated. The Neotropical genus *Audreia* Shelford, 1910 is ascribed to the tribe Morphnini McKittrick, 1964. A detailed morphological description of the new species is given, and *Africalolampra erubescens*, *A. punctipennis*, *Audreia carinulata* and *Pinaconota bifasciata* (Saussure, 1862) are redescribed. The male genitalia of *G. rothi* sp. nov., *Africalolampra erubescens*, *A. punctipennis* and the structures of ovipositor of *Africalolampra erubescens* and *Audreia carinulata* are described for the first time.

Keywords: *Gurneya rothi* sp. nov. - *Africalolampra erubescens* - *Africalolampra punctipennis* - *Audreia carinulata* - *Pinaconota bifasciata* - morphology.

***Colilodion schulzi* sp. n. (Coleoptera: Staphylinidae: Pselaphinae) from Palawan, the Philippines, with habitus photographs and a revised key to all *Colilodion* species**

Zi-Wei Yin¹ & Giulio Cuccodoro²

¹ Department of Biology, Shanghai Normal University, 100 Guilin Road, Shanghai, 200234, P. R. China.
E-mail: pselaphinae@gmail.com

² Muséum d'histoire naturelle, CP 6434, CH-1211 Genève 6, Switzerland. E-mail: giulio.cuccodoro@ville-ge.ch

Abstract: *Colilodion schulzi* sp. n. from Palawan, the Philippines, is described based on a female specimen. The new species possesses three-segmented antennae with conspicuously broadened apical antennomeres. Habitus images of the new and all previously described *Colilodion* species are provided. A revised key to the *Colilodion* species is included.

Keywords: Taxonomy - Clavigeritae - Colilodionini - new species - Oriental region.

Contribution to the knowledge of Himalayan and North Indian species of *Scaphidium* (Coleoptera, Staphylinidae)

Ivan Löbl¹ & Ryo Ogawa²

¹ Muséum d'histoire naturelle, CP 6434, CH-1211 Genève 6, Switzerland. E-mail: ivan.lobl@bluewin.ch

² Laboratory of Insect Biodiversity and Ecosystem Science, Graduate School of Agricultural Science, Kobe University, 1-1 Rokkodai, Nada-ku, Kobe, 657-8501 Japan. E-mail: ailmasbl0854@yahoo.co.jp

Abstract. *Scaphidium solukhumbu* sp. nov. and *S. yeti* sp. nov. are described from Eastern Nepal. *Scaphidium* sp. possibly representing an undescribed species is reported from Chitwan National Park, Nepal. Published records of *Scaphidium quadrimaculatum* Olivier from India are considered to be based on misidentifications.

Keywords: Coleoptera - Staphylinidae - Scaphidiinae - taxonomy - Himalaya - India.

Observations on two large athecate hydroids (Cnidaria: Hydrozoa) from the Kamchatka Peninsula (NW Pacific)

Peter Schuchert^{1*}, Nadya Sanamyan² & Karen Sanamyan²

¹ Muséum d'histoire naturelle, C.P. 6434, CH-1211 Genève 6, Switzerland.

² Kamchatka Branch of the Pacific Geographical Institute, Far-Eastern Branch of the Russian Academy of Sciences, Partizanskaya 6, Petropavlovsk-Kamchatsky, 683000, Russia. E-mail: actiniaria@sanamyan.com

* Corresponding author. E-mail: peter.schuchert@ville-ge.ch

Abstract

This study reports on several specimens of two large hydroids from the North-Western Pacific Ocean: *Monocoryne bracteata* and *Candelabrum phrygium*. Both species are documented with photographs of the living animals as well as with photographs of the nematocysts and histological sections of the sporosacs. Both are rare animals and only known from a few specimens, which makes it difficult to assess their intraspecific variation. The new material differs in some minor details from previously known material and the significance of this is discussed here. It is concluded that these differences likely represent intraspecific variation. A re-examination of type material of *Candelabrum verrucosum* Bonnevie, 1898 added to knowledge of this nominal species and provided evidence that it is conspecific with *C. phrygium*. The diagnostic feature “nematocyst buttons on the sporosacs” of *C. verrucosum* occurs also in otherwise typical *C. phrygium* identified by other authors.

Keywords: Anthoathecata - Aplanulata - Capitata - systematics - biology - *in situ* observations - 16S sequence.

Revision of *Cebrennius* Simon, 1887 with description of one new genus and six new species (Araneae: Thomisidae)

Suresh P. Benjamin

National Institute of Fundamental Studies, Hantana Road, Kandy, Sri Lanka.

Zoological Research Museum Alexander Koenig, Adenauerallee 160, D-53113 Bonn, Germany.

E-mail: suresh.benjamin@gmail.com

Abstract: The crab spider genus *Cebrennius* Simon, 1887 is redefined based on morphology of adult males and females. *Cebrennius* now is constituted of 10 nominal species. The following new species are described: *Cebrennius banten* sp. nov., *C. berau* sp. nov., *C. magnus* sp. nov., *C. phaedrae* sp. nov., *C. schawalleri* sp. nov., and *C. tangi* sp. nov. Three new synonyms are proposed: *Libania scabricula* Thorell, 1890 syn. nov., *Libania scabricula sulcata* Thorell, 1890 syn. nov., and *Libania annulata* Thorell, 1890 syn. nov. = *Cebrennius rugosus* Simon, 1887. *Cupa kalawitana* Barrion & Litsinger, 1995 is removed from the synonymy of *C. rugosus* and placed as a distinct species in *Cebrennius*, i.e. *C. kalawitana* (Barrion & Litsinger, 1995) comb. nov. Morphological comparison of *Cebrennius* and *Ascurisoma* Strand, 1929 shows that the latter should be considered a junior synonym of the former. Thus, *Ascurisoma striatipes* (Simon, 1897) is transferred to *Cebrennius*, *C. striatipes* (Simon, 1897) comb. nov. *Crockeria kinabalu* gen. et sp. nov. from Mt Kinabalu National Park, Sabah, is described on the basis of its exceptional palp which has a median apophysis in addition to conductor and embolus. *Libania laevis* Thorell, 1890 syn. nov. is transferred to this new genus, now being called *Crockeria laevis* (Thorell, 1890) comb. nov.

Keywords: Stephanopinae - systematics - taxonomy - biodiversity - relict - Southeast Asia - China - Sri Lanka.

Otiorhynchus (Choilisanus) theophrastus sp. nov. from Lesbos Island, Greece (Coleoptera, Curculionidae, Entiminae)

Piotr Białooki¹ & Christoph Germann^{2,3}

¹ State Plant Health and Seed Inspection, Gdańsk, Na Stoku 48, PL-80-874 Gdańsk, Poland.

E-mail: og-gdynia@piorin.gov.pl, pbialooki@poczta.onet.pl

² Naturhistorisches Museum der Burgergemeinde Bern, Bernastrasse 15, CH-3005 Bern, Switzerland.

E-mail: germann.christoph@gmail.com

³ Naturmuseum Solothurn, Klosterplatz 2, CH-4500 Solothurn, Switzerland

Abstract: A new species of *Otiorhynchus* Germar, 1822 of the subgenus *Choilisanus* Reitter, 1912 is described from the Aegean Island Lesbos (Greece). The new species is morphologically close to *O. (Choilisanus) magnicollis* Stierlin, 1888 from Ikaria and Samos Island, and to *O. formaneki* Reitter, 1913 from Asia Minor.

Keywords: Curculionoidea - Entiminae - *Otiorhynchus* - new species - taxonomy.